



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
DAVID M. SCOVILLE et al) MULTI-FLUID HEAT EXCHANGER) AND METHOD OF MAKING SAME
Serial No. 10/743,362) Group Art Unit 3743
Filed December 22, 2003) Examiner Tho V. Duong

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Attached Form 1449A/PTO lists references which may be considered to be material to the above-identified application by the Patent Examiner. It is to be particularly noted that the two Japanese patents or abstracts cited, both include or consist of an English language abstract and one appears to be a substantial duplicate of a U.S. patent 6,173,766) that is also cited so that reference thereto may be had for an understanding, in the English language, of the content. Copies of the foreign references are enclosed. The fee required under 37 CFR §1.97(c)(2) and 37 CFR §1.17(p) is also submitted herewith. Entry into the record is respectfully requested.

Respectfully submitted,

WOOD, PHILLIPS, KATZ,

CLARK & MORTIMER

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Jeffery N. Fairchild

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October 29, 2004

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Signature:

Karen Sanderson

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995 ired to respond to a collection of information unless it displays a valid OMB control number. **Application Number** 10/743,362 Substitute for form 1449A/PTO Filing Date December 22, 2003 INFORMATION DISCLOSURE First Named Inventor David M. Scoville STATEMENT BY APPLICANT **Group Art Unit** 3743 lse as many sheets as necessary) Confirmation No. HON O I SOOK Tho V. Duong **Examiner Name**

Attorney Docket No.

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			U.S. PATENT DOC	JMENTS	
Cite	U	S. Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines Where Relevant Passages or Relevant
NO.	Number - Kind Code ² (if known)		MM-DD-YY	Document	Figures Appear
	US-	6,394,176 B1	05-28-2002	Marsais	
	US-	6,321,832 B1	11-27-2001	Le	
	US-	6,173,766 B1	01-16-2001	Nakamura et al	
	US-	6,035,927	03-14-2000	Krauss et al	
	US-	5,720,341	02-24-1998	Watanabe et al	
	US-	5,366,005	11-22-1994	Kadle	
	US-	5,186,246	02-16-1993	Halstead	
	US-	5,186,244	02-16-1993	Joshi	
	US-	5,129,144	07-14-1992	Halstead et al	
	US-	5,036,910	08-06-1991	Wolf	
	US-	5,009,262	04-23-1991	Halstead et al	
-	US-	4,947,931	08-14-1990	Vitacco	
	US-	4,923,001	05-08-1990	Marcolin	
	US-	4,688,311	08-25-1987	Saperstein et al	
-	US-	4,651,816	03-24-1987	Struss et al	
	US-	4,137,982	02-06-1979	Crews et al	
	US-	2,505,790	05-02-1950	E. H. Panthofer	
	US-	2,264,820	12-02-1941	F. M. Young	
	US-	1,948,929	02-27-1934	E. S. MacPherson	
-	US-	•			
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	US-				
	Cite No.1	US-	Cite No.1 Number - Kind Code² (if known) US- 6,394,176 B1 US- 6,321,832 B1 US- 6,173,766 B1 US- 6,035,927 US- 5,720,341 US- 5,366,005 US- 5,186,246 US- 5,186,244 US- 5,036,910 US- 5,009,262 US- 4,947,931 US- 4,688,311 US- 4,651,816 US- 2,505,790 US- 1,948,929 US- US- US- 1,948,929 US- US-	Cite No.1 U.S. Patent Document Publication Date MM-DD-YY Number - Kind Code² (if known) 05-28-2002 US- 6,394,176 B1 05-28-2002 US- 6,321,832 B1 11-27-2001 US- 6,173,766 B1 01-16-2001 US- 6,035,927 03-14-2000 US- 5,720,341 02-24-1998 US- 5,366,005 11-22-1994 US- 5,186,246 02-16-1993 US- 5,186,244 02-16-1993 US- 5,129,144 07-14-1992 US- 5,036,910 08-06-1991 US- 5,009,262 04-23-1991 US- 4,947,931 08-14-1990 US- 4,688,311 08-25-1987 US- 4,651,816 03-24-1987 US- 4,137,982 02-06-1979 US- 2,264,820 12-02-1941 US- 1,948,929 02-27-1934 US- US- 1,948,929 US- 1,948,929	Cite No.¹ U.S. Patent Document Number - Kind Code² (if known) Publication Date MM-DD-YY Name of Patentee or Applicant of Cited Document US- 6,394,176 B1 05-28-2002 Marsais US- 6,321,832 B1 11-27-2001 Le US- 6,173,766 B1 01-16-2001 Nakamura et al US- 6,035,927 03-14-2000 Krauss et al US- 5,720,341 02-24-1998 Watanabe et al US- 5,366,005 11-22-1994 Kadle US- 5,186,246 02-16-1993 Halstead US- 5,186,244 02-16-1993 Joshi US- 5,036,910 08-06-1991 Wolf US- 5,009,262 04-23-1991 Halstead et al US- 4,947,931 08-14-1990 Vitacco US- 4,983,001 05-08-1990 Marcolin US- 4,688,311 08-25-1987 Saperstein et al US- 4,681,816 03-24-1987 Struss et al US- 2,505,790 05-02-1950 E. H. Panthofer US- 2,264,820 12-02-1941 F. M. Young US- 1,948,929 02-27-1934 E. S. MacPherson

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standards ST.16, if possible. ⁶ Applicant is to place a checkmark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/743,362		
		Filing Date	December 22, 2003		
		First Named Inventor	David M. Scoville		
			Group Art Unit	3743	
(Use as many sheets as necessary)		Examiner Name	Tho V. Duong		
Sheet	2	of	2	Attorney Docket No.	00655P1218US

	_	FOREIGN PA	ATENT DOCUMEN	rs		
Examiner Cite No.	Cite	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	140.	Country Code³-Number⁴-Kind Code⁵ (if known)	MM-DD-YYYY	Document		
		JP 10-206074 (Abstract Only Translated)	08-17-1998	Calsonic Corp.		~
		JP 11-153395 Abstract Only Translated)	06-08-1999	Showa Alum Corp.		~
		FR 2 712 674	11-19-1993	Valeo Thermique		
		EP 0 789 213 (Specification Only Translated)	08-13-1997	Behr GmbH & Co.		~
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) and application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.